

OPINION 1811

COLYDIIDAE Erichson, 1842 (Insecta, Coleoptera): given precedence over **CERYLONIDAE** Billberg, 1820 and **ORTHO CERINI** Blanchard, 1845 (1820); and *Cerylon* Latreille, 1802: *Lyctus histerooides* Fabricius, 1792 designated as the type species

Keywords. Nomenclature; taxonomy; Coleoptera; COLYDIIDAE; CERYLONIDAE; ORTHOCERINI; *Cerylon*.

Ruling

(1) Under the plenary powers:

- (a) it is hereby ruled that the family-group name COLYDIIDAE Erichson, 1842 and other family-group names based on *Colydium* Fabricius, 1792 are hereby given precedence over ORTHOCERIDAE Blanchard, 1845 (1820) and other family-group names based on *Orthocerus* Latreille, 1796, and over CERYLONIDAE Billberg, 1820 and other family-group names based on *Cerylon* Latreille, 1802;
- (b) all previous fixations of type species for the nominal genus *Cerylon* Latreille, 1802 are hereby set aside and *Lyctus histerooides* Fabricius, 1792 is designated as the type species.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

- (a) *Colydium* Fabricius, 1792 (gender: neuter), type species by subsequent designation by Latreille (1810) *Bostrichus elongatus* Fabricius, 1787;
- (b) *Cerylon* Latreille, 1802 (gender: neuter), type species by designation under the plenary powers in (1)(b) above *Lyctus histerooides* Fabricius, 1792;
- (c) *Orthocerus* Latreille, 1796 (gender: masculine), type species by subsequent monotypy by Latreille (1807) *Tenebrio hirticornis* De Geer, 1775 (a junior subjective synonym of *Dermestes clavicornis* Linnaeus, 1758).

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

- (a) *elongatus*, Fabricius, 1787, as published in the binomen '*Bostricilus*' [recte *Bostrichus*] *elongatus*, specific name of the type species of *Colydium* Fabricius, 1792;
- (b) *histerooides*, Fabricius, 1792, as published in the binomen *Lyctus histerooides*, specific name of the type species of *Cerylon* Latreille, 1802;
- (c) *clavicornis*, Linnaeus, 1758, as published in the binomen *Dermestes clavicornis* (senior subjective synonym of *Tenebrio hirticornis* De Geer, 1775, the type species of *Orthocerus* Latreille, 1796).

(4) The following names are hereby placed on the Official List of Family-Group Names in Zoology:

- (a) COLYDIIDAE Erichson, 1842 (type genus *Colydium* Fabricius, 1792) with the endorsement that it and other family-group names based on *Colydium* are to be given precedence over CERYLONIDAE Billberg, 1820 (type genus *Cerylon* Latreille, 1802) and other family-group names based on *Cerylon*, and over ORTHOCERINI Blanchard, 1845 (1820) (type genus *Orthocerus* Latreille, 1796)

and other family-group names based on *Orthocerus*, whenever their type genera are placed in the same family-group taxon;

- (b) CERYLONIDAE Billberg, 1820 (type genus *Cerylon* Latreille, 1802) with the endorsement that it and other family-group names based on *Cerylon* are not to be given priority over COLYDIIDAE Erichson, 1842 (type genus *Colydium* Fabricius, 1792) and other family-group names based on *Colydium* whenever their type genera are placed in the same family-group taxon;
- (c) ORTHOCERINI Blanchard, 1845 (1820) (type genus *Orthocerus* Latreille, 1796) with the endorsement that it and other family-group names based on *Orthocerus* are not to be given priority over COLYDIIDAE Erichson, 1842 (type genus *Colydium* Fabricius, 1792) and other family-group names based on *Colydium* whenever their type genera are placed in the same family-group taxon;
- (5) The name SARROTRIIDAE Billberg, 1820 (type genus *Sarrotrium* Illiger, 1798) is hereby placed on the Official Index of Rejected and Invalid Family-Group Names in Zoology (replaced before 1961 as a name based on a junior generic synonym).

History of Case 2713

An application for the conservation of the family-group name COLYDIIDAE Erichson, 1842 by giving it precedence over CERYLONIDAE Billberg, 1820 and ORTHOCERINI Blanchard, 1845 (1820), and for the established usage of *Lyctus histeroides* Fabricius, 1792 as the type species of *Cerylon* Latreille, 1802 to be maintained, was received from Dr Hans Silfverberg (*Zoological Museum, Helsinki University, Finland*) on 23 February 1989. After correspondence the case was published in BZN 51: 17–20 (March 1994). Notice of the case was sent to appropriate journals.

Support for the application was received from Dr R.G. Booth (*International Institute of Entomology, clo The Natural History Museum, London, U.K.*).

Decision of the Commission

On 1 December 1994 the members of the Commission were invited to vote on the proposals published in BZN 51: 18–19. At the close of the voting period on 1 March 1995 the votes were as follows:

Affirmative votes — 21: Bayer, Bock, Bouchet (part), Cocks, Corliss, Dupuis, Hahn, Halvorsen, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Thompson, Willink

Negative votes — 4: Heppell, Holthuis, Martins de Souza and Štys.

No votes were received from Cogger, Starobogatov, Trjapitzin and Uéno.

Bouchet voted in favour of designating *Lyctus histeroides* as the type species of *Cerylon* and placing all the generic and specific names involved in the case on Official Lists, but against giving precedence to the family-group name COLYDIIDAE. Voting against, Heppell commented: 'I can find no evidence that any of the names 'Cerylonides' Billberg, 1820, 'Sarrotriides' Billberg, 1820 or 'Orthocérites' Blanchard, 1845 have any status in zoological nomenclature. They are no more than vernacular names. For such a name to be available under Article 11f(iii) of the Code it must have been not only latinized by later authors but also 'generally accepted as ... dating from that first publication as a vernacular name'. Here, on the contrary, CERYLONIDAE seems to have been universally regarded as established by Erichson (1845, as

CERYLINI), and ORTHOCERINI by Reitter (1882). Consequently these names are not senior to COLYDIIDAE Erichson, 1842 and are no threat to its stability. I agree with the designation of *Lyctus histeroides* as the type species of *Cerylon*. Martins de Souza commented: 'Since Crowson's (1955) classification of the Coleoptera, CERYLONIDAE has been included in the CUCUJOIDEA and COLYDIIDAE in the TENEBRIONOIDEA. This classification has been adopted by a number of very recent authors, which indicates that the COLYDIIDAE and CERYLONIDAE are not included in the same family-group'. Štys commented: 'I cannot endorse the proposal to give COLYDIIDAE precedence and feel that priority should apply whenever the names COLYDIIDAE, CERYLONIDAE and ORTHOCERINI compete; only the precedence of CERYLONIDAE and ORTHOCERINI should be decided by the Commission. I agree that COLYDIIDAE is the best known and widely used name. However, all the names have been frequently used in both the classical and modern literature and none of them has been 'rediscovered'. I cannot see that the 'stability of nomenclature is threatened', only that coleopterists have ignored the principle of priority. A quite different situation obtains with SARROTRIIDAE and I fully support placing the name on the Official Index'.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

Cerylon Latreille, 1802, *Histoire naturelle générale et particulière des crustacés et des insectes*, vol. 3, p. 205.

CERYLONIDAE Billberg, 1820, *Enumeratio Insectorum in Museo Gust. Joh. Billberg*, p. 47.

clavicornis, *Dermestes*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 355.

COLYDIIDAE Erichson, 1842, *Archiv für Naturgeschichte*, 8: 213.

Colydium Fabricius, 1792, *Entomologia Systematica*, vol. 1, part 2, p. 495.

elongatus, *Bostrichus*, Fabricius, 1787, *Mantissa Insectorum*, vol. 1, p. 36.

histeroides, *Lyctus*, Fabricius, 1792, *Entomologia Systematica*, vol. 1, part 2, p. 504.

ORTHO CERINI Blanchard, 1845 (1820), *Histoire des insectes ... comprenant une nouvelle classification fondée sur leurs rapports naturels*, vol. 2, p. 29.

Orthocerus Latreille, 1796, *Précis des caractères génériques des insectes, disposés dans un ordre naturel*, p. 16.

SARROTRIIDAE Billberg, 1820, *Enumeratio Insectorum in Museo Gust. Joh. Billberg*, p. 9.

The following is the reference for the designation of *Bostrichus elongatus* Fabricius, 1787 as the type species of the nominal genus *Colydium* Fabricius, 1792:

Latreille, P.A. 1810. *Considérations générales sur l'ordre naturel des animaux composant les classes des crustacés, des arachnides et des insectes*, p. 431.

The following is the reference for the fixation of *Tenebrio hirticornis* De Geer, 1775 as the type species of the nominal genus *Orthocerus* Latreille, 1796:

Latreille, P.A. 1807. *Genera Crustaceorum et Insectorum*, vol. 2, p. 172.